



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RBE105-13101W3-PO
Job Sheet 185065



Part No: RBE105-13101W3-PO **Job Qty:** 1 ea

Part Name: Disassembly/Assembly – Rotating Control Rod



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 10/22/18

Job Tracking No:

Due Date: 11/16/18

Created By: Patrick Lussier

Type: Stock

Description:

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	1 pcs		11/16/18	0.00	0.00	Purchasing		DEC 12 2018
110	Packaging	1 pcs		11/16/18	0.00	0.00	Packaging2		DEC 12 2018
120	QC	1 pcs		11/16/18	0.00	0.00	QC6		38
130	Packaging	1 pcs		11/16/18	0.00	0.00	Packaging3		9-89
140	QC21-FG	1 Ea		11/16/18	0.00	0.00	QC21		DEC 12 2018

Part Op 100 - Issue P/O: _____ MANUFACTURE RBE105-13101W3 AS PER DWG Supplier: METEC Certificate of Descriptions: conformity is required

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
RBE105-13101W3P	Disassembly / Assembly – Rotating Control Rod	1 (1 ea)	100-Purchasing	5137062

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	RBE105-13101W3P	1	0	0

Part Specifications

Specifications could not be found.

Plex 10/22/18 12:55 PM dart.Lussier.Patrick



Container No: S137067



Part: RBE105 – 13101W3

Job No: 185065

Serial No/Batch: S137067

Revision: 0

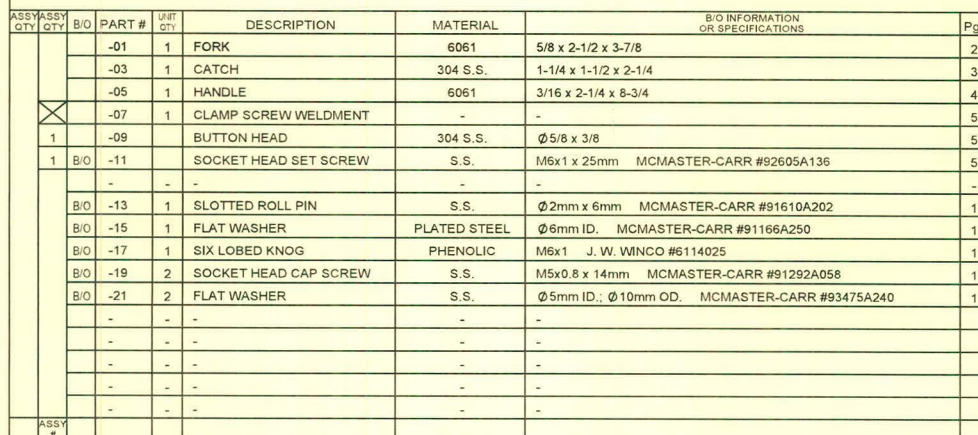
Inspector:

Exp Date:

Instructions:

Date: 12/12/18

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVE
-	--	-	-	-



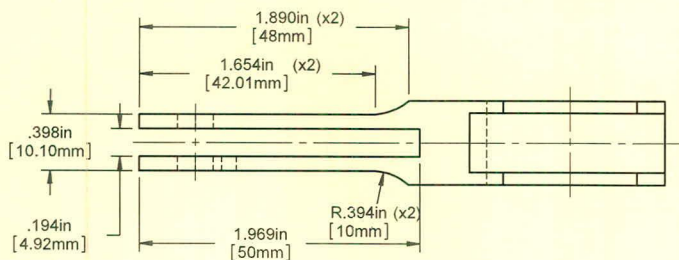
1. CHANGED -.05 THICKNESS FROM .159,
TO .188.

 RED BARN MACHINE

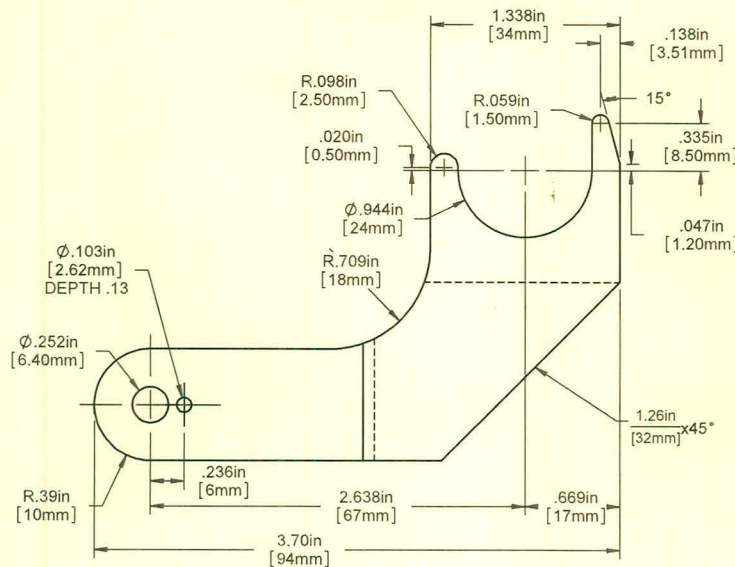
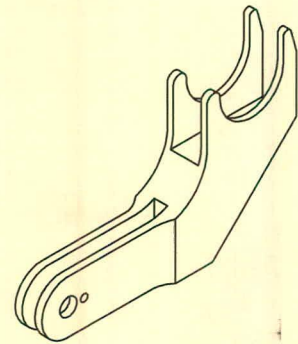
TITLE		PITCH LINK TOOL	
DWG NO.		RB5E-13101 W3	
REV		-	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: PERRITT	
TOLERANCES ON:		APPROVED: <i>D. Wood</i>	
DECIMALS	METRIC	HEAT TREAT	
.XXX ± .005	$X \pm .1mm$	FINISH	
.XX .01	FRACTION ± 1/32	SPEC. SEE PARTS	
ANGLES ± 5		USED ON MODEL	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES DT3-45 GR. 50		EUROCOPTER EC145	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE	NTS	DATE	9-27-10
		SHEET	1 of 5

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REVISIONS			
REV.	DESCRIPTION	DATE	INITIAL
-	-	-	-



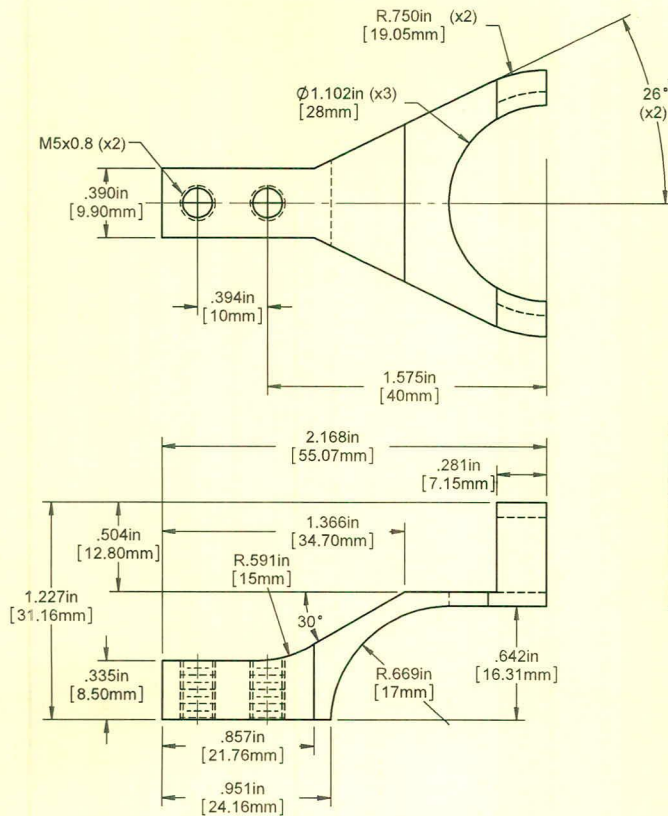
(-01)
FORK
CLEAR ANODIZE
MIL-A-8625F,
TYPE II, CLASS I



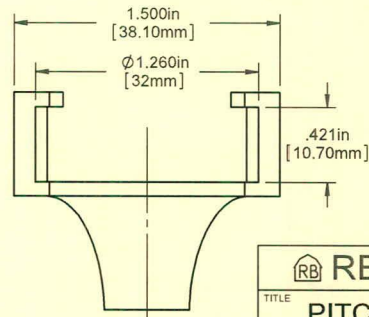
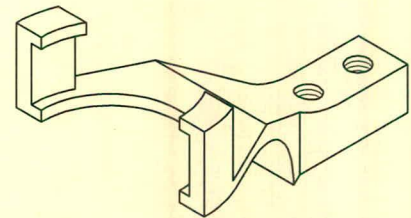
RED BARN MACHINE	
TITLE PITCH LINK TOOL; PARTS	
DWG NO. RBE105-13101 W3-01	REV -
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	METRIC X ± 1mm FRACTIONS ± 1/32 ANGLES ± 5°
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES 015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 9-27-10
SHEET 2 of 5	
DRAWN BY: PERRITT	
APPROVED: -	
HEAT TREAT: -	
FINISH SPEC: SEE PARTS	
USED ON MODEL: EUROCOPTER EC145	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
-	-	-	-



(-03)
CATCH



RED BARN MACHINE	
TITLE PITCH LINK TOOL; PARTS	
DWG NO. RBE105-13101 W3-03	REV -
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 X ± .1	METRIC X ± .1mm FRACTIONS ± 1/32 ANGLES ± 5°
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 9-27-10
SHEET 3 of 5	

DRAWN BY: **PERRITT**
APPROVED: **-**
HEAT TREAT: **-**
FINISH: **SEE PARTS**
USED ON MODEL: **EUROCOPTER EC145**

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVE
-	--	-	-	-

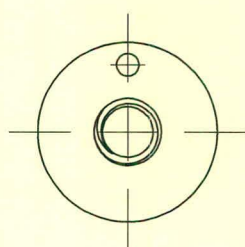


HANDLE
CLEAR ANODIZE
MIL-A-8625F,
TYPE II, CLASS I

 RED BARN MACHINE	
TITLE PITCH LINK TOOL; PARTS	
DWG NO. RBE105-13101 W3-05	REV -
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY: PERRITT
TOLERANCES ON: DECIMALS .XX $\pm$.005 .XX $\pm$.01 .X $\pm$.1	APPROVED HEAT TREAT FINISH SEE PARTS
METRIC .X $\pm$.1mm FRACTIONS $\pm$ 1/32 ANGLES $\pm$.5°	USED ON MODEL EUROCOPTER EC145
UNLESS OTHERWISE SPECIFIED 1. BRUSH ALL SHARP EDGES .015 x .45 PR .015 R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 9-27-10
SHEET 4 of 5	

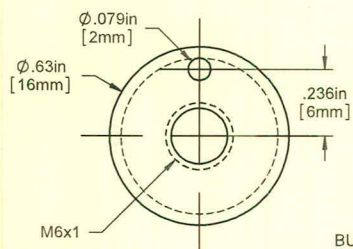
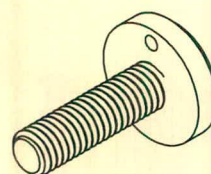
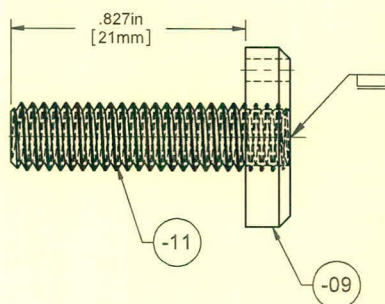
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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
-	-	-	-	-



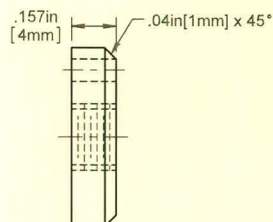
-07

CLAMP SCREW
WELDMENT



-09

BUTTON HEAD



RED BARN MACHINE	
TITLE PITCH LINK TOOL; PARTS	
DWG NO.	RBE105-13101 W3-07 thru 11
REV	-
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	METRIC
.XXX ± .005	.X ± .1mm
.XX ± .01	FRACTIONS ± 1/32
.X ± .1	ANGLES ± 5°
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE	DATE
NTS	9-27-10
DRAWN BY: PERRITT	
APPROVED:	
HEAT TREAT	
FINISH SPEC	
USED ON MODEL	
EUROCOPTER EC145	
SHEET	5 of 5



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO041411**

Supplier: MEM001-VC
Metec Metal Technology Inc.
20 Terry Fox Drive PO Box 781
Vankleek Hill
ON
K0B 1R0 Canada
Phone: 613 678 3957
Fax: 613 678 3956

Attention: Walz, Shigi

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO041411
PO Date: 10/22/18
Due Date: 12/14/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Lussier, PatrickPhone:

Via: Ground
Pymt Terms: Net 60

Freight Terms:
Special Comments:

Revised

Items

Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	185055	RBE105-14101W2P			Outer Needle Bearings Extractor	Firmed	-	12/14/18	1 Ea	0 Ea	1 Ea	\$4,100.00/Ea	\$4,100.00
Line Item Note REV 1													
2	185058	RBE105-14101W18P			Pressing-In Tool	Firmed	-	12/14/18	1 Ea	0 Ea	1 Ea	\$1,950.00/Ea	\$1,950.00
Line Item Note REV 1													
3	185059	RBE105-45045W1P			Trammel	Firmed	-	12/14/18	1 Ea	0 Ea	1 Ea	\$4,900.00/Ea	\$4,900.00
Line Item Note REV 1													
4	185061	RBE105W27P			Main Gear Box Hoisting Device	Firmed	-	12/14/18	1 Ea	0 Ea	1 Ea	\$0.01/Ea	\$0.01
Line Item Note REV 1													
5	185063	RBE105-31501W6P			Puller	Firmed	-	12/14/18	1 Ea	0 Ea	1 Ea	\$820.00/Ea	\$820.00
Line Item Note REV 1													
6	185064	RBE105-31702W24P			Tail Rotor Fork Shaft Check	Firmed	-	12/14/18	1 Ea	0 Ea	1 Ea	\$0.01/Ea	\$0.01
Line Item Note REV 1													
7	185065	RBE105-13101W3P			Disassembly / Assembly - Rotating Control Rod	Firmed	-	12/14/18	1 Ea	0 Ea	1 Ea	\$5,050.00/Ea	\$5,050.00



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO041411**

Items

Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
8	185106	RBE105-14101W12-1P			Mounting Shaft Assembly	Firmed	-	12/14/18 DEC 12 2018	1 Ea	0 Ea	1 Ea	\$520.00/Ea	\$520.00
Line Item Note Sub assy on part # RBE105-14101W12 REV 1													
9	185107	RBE105-14101W12-9P			Mounting Base	Firmed	-	12/14/18 DEC 12 2018	1 Ea	0 Ea	1 Ea	\$520.00/Ea	\$520.00
Line Item Note Sub assy on part # RBE105-14101W12 REV 1													
Grand Total:												\$17,860.02	

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses
A005 RIGHT OF ENTRY
A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
A012 CHEMICAL AND PHYSICAL TEST REPORTS
A016 PERSONNEL QUALIFICATION
A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Plex 12/11/18 9:11 AM dart.Lussier.Patrick

Packing List

Bill Dart Aerospace Ltd.
To: 1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Ship Dart Aerospace Ltd.
To: 1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Shipment No: 24364
Shipment Date: 10-Dec-2018
Ship Via: our truck
Order Number: 3112
Order Date: 10/24/18

Customer Code: DART
Phone: (613) 632-9577
PO Number: PO041411 ✓
Terms: Net 60 Days

Quantity					Unit	Description	Revision	Job Number
Item	Open	Shipped	B/O	Canceled				
1	1	1 ✓	0	0	EA	DART-RBE105-14101W2P Extractor for Outer Needle Bearing	1	3112-01
2	1	1 ✓	0	0	EA	DART-RBE105-14101W18P Pressing - In Tool	1	3112-02
3	1	1 ✓	0	0	EA	DART-RBE105-45045W1P Trammel	1	3112-03
5	1	1 ✓	0	0	EA	DART-RBE105-31501W6P Puller	1	3112-05
7	1	1 ✓	0	0	EA	DART-RBE105-13101W3P Pitch Link Tool	1	3112-07
8	1	1 ✓	0	0	EA	DART-RBE105-14101W12-1P MOUNTING SHAFT ASSEMBLY	1	3112-08
9	1	1 ✓	0	0	EA	DART-RBE105-14101W12-9P MOUNTING BASE	1	3112-09

DAS
38
9-89

The delivered goods must be inspected upon receipt to confirm compliance. Should there be discrepancies please notify METEC within 30 days of delivery. The goods are otherwise deemed accepted.

Received In Good Order By

Page 1 of 1



20 Terry Fox Drive, Vankleek Hill, Ontario K0B 1R0

Tel. (613) 678-3957 & (613) 678-2782 Fax (613) 678-3956 metec@metec.ca

CERTIFICATE OF CONFORMITY

SOLD TO:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ont.
K6A 1K7

SHIPPED TO:

same

Quantity	Part Number	Part Name	Dwg Rev#	P.O. Number
1 /	RBE105-14101W2P ✓	Outer Needle Bearings Extractor	1	PO041411 /
1 /	RBE105-14101W18P ✓	Pressing-In Tool	1	PO041411 /
1 /	RBE105-45045W1P ✓	Trammel	1	PO041411 /
1 /	RBE105-31501W6P ✓	Puller	1	PO041411 /
1 /	RBE105-13101W3P ✓	Pitch Link Tool	-	PO041411 /
1 /	RBE105-14101W12-1P ✓	Mounting Shaft	1	PO041411 /
1 /	RBE105-14101W12-9P ✓	Mounting Base	1	PO041411 /

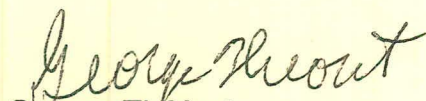
DAS
38
9-89

No deviations for these part

Material supplied by METEC

We hereby certify that the above parts were made in conformance with applicable drawings.

METEC Metal Technology Inc.


George Théoret

Vankleek Hill, December 10, 2018

